

INTERNATIONAL SEARCH REPORT

Internal Application No

PCT/US 00/13395

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61F13/15 A61F13/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61F D04H B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A Y A A A	<p>US 5 342 334 A (LANGDON FRED M ET AL) 30 August 1994 (1994-08-30) the whole document</p> <p>US 5 804 286 A (GILLESPIE J DARRELL ET AL) 8 September 1998 (1998-09-08) column 4, line 30 -column 5, line 11; claims; figures</p> <p>US 4 690 679 A (MATTINGLY III WILLIAM B ET AL) 1 September 1987 (1987-09-01) claims; figures</p> <p>WO 99 00096 A (MCNEIL PPC INC) 7 January 1999 (1999-01-07) claims; figures</p> <p style="text-align: center;">-/-</p>	<p>1-11,20, 21,25-28</p> <p>29-55</p> <p>1-11,20, 21,25-28</p> <p>29-55</p> <p>1-55</p> <p>1-55</p>

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"B" document member of the same patent family

Date of the actual completion of the international search

25 August 2000

Date of mailing of the international search report

05/09/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo...
Fax: (+31-70) 340-3016

Authorized officer

Mirza, A

INTERNATIONAL SEARCH REPORT

Internat. Application No.

PCT/US 00/13395

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 45259 A (CURRO JOHN JOSEPH ;OSTAPCHENKO GEORGE JOSEPH (US); VAIDYA SHAILAJA) 4 December 1997 (1997-12-04) claims 27-73; figures -----	1-55
A	EP 0 924 328 A (CHISSO CORP) 23 June 1999 (1999-06-23) claims 1-3 -----	1-55
A	US 5 294 482 A (GESSNER SCOTT L) 15 March 1994 (1994-03-15) abstract; claims -----	1-55
A	EP 0 394 954 A (JAMES RIVER CORP) 31 October 1990 (1990-10-31) abstract; claims -----	1-55

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat. Application No
PCT/US 00/13395

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
✓ US 5342334	A	30-08-1994	AT 187322 T	15-12-1999
			AU 6488598 A	16-07-1998
			AU 6697294 A	24-10-1994
			CA 2159585 A,C	13-10-1994
			DE 69422031 D	13-01-2000
			DE 69422031 T	13-07-2000
			EP 0691836 A	17-01-1996
			ES 2139074 T	01-02-2000
			JP 8508425 T	10-09-1996
			NZ 265750 A	24-10-1997
			SG 64323 A	27-04-1999
			WO 9422407 A	13-10-1994
US 5804286	A	08-09-1998	AU 4244196 A	17-06-1996
			EP 0740714 A	06-11-1996
			JP 9512313 T	09-12-1997
US 4690679	A	01-09-1987	AT 137661 T	15-05-1996
			AU 605760 B	24-01-1991
			AU 7002787 A	17-09-1987
			BR 8701166 A	05-01-1988
			CA 1288923 A	17-09-1991
			DE 3751799 D	13-06-1996
			DE 3751799 T	02-01-1997
			EP 0237990 A	23-09-1987
			GR 870421 A	20-07-1987
			JP 2543356 B	16-10-1996
			JP 62270154 A	24-11-1987
			MX 169422 B	05-07-1993
			PH 24838 A	30-10-1990
			PH 25806 A	05-11-1991
			PT 84476 A,B	01-04-1987
			US 4806411 A	21-02-1989
			ZA 8701857 A	26-10-1988
WO 9900096	A	07-01-1999	AU 8146098 A	19-01-1999
			BR 9806114 A	31-08-1999
			CA 2263987 A	07-01-1999
			CN 1229350 T	22-09-1999
			EP 0925050 A	30-06-1999
WO 9745259	A	04-12-1997	US 5865823 A	02-02-1999
			AU 3371697 A	05-01-1998
			AU 5168898 A	29-05-1998
			BR 9709413 A	10-08-1999
			BR 9712748 A	19-10-1999
			CN 1219905 A	16-06-1999
			CZ 9901621 A	15-09-1999
			CZ 9803921 A	16-06-1999
			EP 0906192 A	07-04-1999
			EP 0936974 A	25-08-1999
			JP 2000504979 T	25-04-2000
			NO 985590 A	29-01-1999
			WO 9819861 A	14-05-1998
EP 0924328	A	23-06-1999	JP 9209254 A	12-08-1997
			CN 1233298 A	27-10-1999
			WO 9810130 A	12-03-1998

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internet Application No

PCT/US 00/13395

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5294482 A	15-03-1994	US 5108827 A DE 69026298 D EP 0394954 A US 5593768 A	28-04-1992 09-05-1996 31-10-1990 14-01-1997
EP 0394954 A	31-10-1990	US 5108827 A DE 69026298 D US 5593768 A US 5294482 A	28-04-1992 09-05-1996 14-01-1997 15-03-1994